Brown Line Project Update
February 15, 2006

Brown Line Capacity Expansion Project Progress Update

2-15-06

BUDGET

- $529.9 million total budget

SCHEDULE

- Project Completion: December 31, 2009
- Fullerton ADA Completion: December 31, 2008

PROJECT ACTIVITIES

- Clark Junction and Signal Bid Package was awarded through Board action to Aldridge-Mass, JV on October 14, 2004, NTP issued December 13, 2004
- Substation Bid Package was awarded through Board action to Aldridge on December 16, 2004, NTP issued January 10, 2005
- Belmont and Fullerton Stations Bid Package was awarded through Board action to FHP Tectonics on June 9, 2005, NTP issued August 17, 2005
- Armitage, Sedgwick and Chicago Stations bid package was awarded through Board action to FHP Tectonics on September 14, 2005, NTP issued on November 15, 2005
- Kimball, Kedzie, Francisco, Rockwell and Western Stations bid package was awarded through Board action to FHP Tectonics on September 14, 2005, NTP issued on November 15, 2005

Brown Line Capacity Expansion Project Progress Update

PROJECT ACTIVITIES

- Station Work:
  - Demolition continued at Fullerton and Belmont of acquired properties
  - Continued caisson pre-excavation and utility coordination at both Belmont and Fullerton
  - Staff continue to finalize the remaining two station bid packages
  - Meet the Contractor community meeting held on February 9, 2005 for the Kimball, Kedzie, Francisco, Rockwell and Western contract
- Substations Work:
  - As of January 31, 2006, 23.6% work is in place
  - Continued face brick installation at Grace Substation
  - Continued plumbing installation at Grace Substation
  - Continued roofing system installation at Grace Substation
  - Began interior demolition at Clark Substation

Brown Line Capacity Expansion Project Progress Update

PROJECT ACTIVITIES

- Structure Work:
  - Flange angle replacement work at 10 station locations is 99% complete as of February 13, 2006
- Signal Work:
  - As of January 31, 2006, 52.4% work is in place
  - Continued express and AC cable installation in the Clark Junction Corridor
  - Continued signal platform installation in the Clark Junction Corridor
  - Completed installation of Lakewood relay house and wiring is ongoing
  - Completed construction of Barry relay house foundation

Brown Line Capacity Expansion Project

Lakewood/Seminary Relay House Installation

Brown Line Capacity Expansion Project
3-Month Look Ahead

Ongoing Work

- Continue express signal cable, signal platform and wire installation in the Clark Junction corridor
- Continue work at the Grace substation building and Clark substation rehabilitation
- CTA forces will complete the installation of flange angles at Diversey station
- CTA forces will continue the installation of special track work on all four tracks at Clark Junction

Belmont and Fullerton

- Continue demolition of acquired properties
- Continue to coordinate utility relocations and begin installation of caissons
- Begin construction on temporary stations

Brown Line Capacity Expansion Project
3-Month Look Ahead

Damen, Montrose, Irving Park, and Addison stations bid package

- Advertise for construction
- Pre-bid meeting for contractors to be held on bid package

Diversey, Wellington, Paulina and Southport stations bid package

- Advertise for construction
- Pre-bid meeting for contractors to be held on bid package

Chicago, Sedgwick and Armitage

- Complete site surveying
- Demolition of adjacent properties at Sedgwick and Armitage
- Begin preliminary stages of foundation work at Armitage
- Relocation of signal cables
- Hold meet the contractor community meeting

Brown Line Capacity Expansion Project
Temporary Station Closures

Chicago, Sedgwick and Armitage

- Up to six weekend-only closures will occur during the duration of construction. No weekday closures will occur at these stations
- First weekend closure is tentatively proposed for April, dates are still being reviewed
- On the six weekends when these stations are closed, customers will access Brown Line trains from Kimball to Fullerton (where customers can connect to the Red Line) and downtown service will be provided at the outer Loop stations
- As is CTA practice, during the weekend closures bus service will run between Fullerton and the Loop during the hours of regular Brown Line weekend service
- Community meeting with contractor to be scheduled

Brown Line Capacity Expansion Project

Kimball, Kedzie, Francisco, Rockwell, and Western Stations
Meet the Contractor
February 9, 2006
Sulzer Library

Brown Line Capacity Expansion Project Kimball, Kedzie, Francisco, Rockwell and Western Schedule*

- Station Phases
  - Kedzie and Rockwell Stations
    - Station Closure: February 20, 2006**
    - Up to 6 months
  - Western Station
  - Kimball and Francisco Stations
    - Station Closure: Late Summer /Early Fall 2006
    - Francisco - Up to 6 months
    - Kimball - Up to 4 months
- Progress Dates
  - Western Station Completion (Late Summer 2006)
  - Kedzie & Rockwell Station Opening (Late Summer 2006)
  - Kimball & Francisco Station Opening (Winter/Spring 2007)
  - Construction Contract Completion - August 2007

*Locations and dates of work shown on this schedule are subject to change based on differing site conditions, work conditions and receipt of permits, plus other items beyond the control of the CTA or the Contactors performing the work

**At request of community, closure date moved three months from November 2005

Brown Line Capacity Expansion Project
Temporary Station Closures*

- Rockwell and Kedzie Temporary Station Closure:
  - Begin February 20, 2006
  - Closed up to 6 months

- At-grades (Kimball, Kedzie, Francisco, Rockwell) full weekend closure:
  - First four weekends of project (2/24-2/27, 3/3-3/6, 3/10-3/13, 3/17-3/20) 54 hour work period starting Friday 8 PM to Monday 2 AM for demolition and foundation work, which must be completed first
  - Contract permits up to 10 such closures
  - Brown Line trains will run from Western station to the Loop
  - As is CTA practice, during the weekend closures free bus service will run between Kimball and Western during the hours of regular Brown Line weekend service.

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Brown Line Capacity Expansion Project Work Hours Summary*

Weekday Work

- 6:00 AM to 10:00 PM
- Monday through Friday Evening
- Brown Line service to Kimball

Continuous Weekend Work/ Trains Operating from Western to Loop

- 54 Hours Continuous Work
- Friday evening through early Monday (8:00 PM Friday to 2:00 AM Monday)
- Beginning at 10 PM train service will operate from Loop to Western and a bus shuttle will operate from Western to Kimball

Continuous Weekend Work/ Trains to Kimball

- Friday to Sunday
- Continuous Work (8:00 PM Friday to 2:00 AM Monday)
- Brown Line service to Kimball
- Schedule permitting, some weekends may not require work at night

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Brown Line Capacity Expansion Project
Kedzie and Rockwell Station Work Sequence*

Demolition and Foundation Installation
Construction Duration: 5 to 6 Weeks**

- Close Station
- Remove and Relocate existing Signal and Communication equipment
- Demolish Station and Platform
- Install Platform Precast Foundations
- Install Station Foundations with Earth Retention
- Install Auxiliary Entrance Foundations

*Kedzie and Rockwell provided as example. Work at Francisco will have same general sequence.

**Construction duration overlaps with other work segments.

Brown Line Capacity Expansion Project
Kedzie and Rockwell Station Work Sequence*

Platform Structural Construction
Construction Duration: 14 to 15 Weeks**

- Install and Paint Platform Steel Framing
- Install Platform Electrical with Light Poles
- Install Platform Wood Decking with Tactile Strip
- Install Platform Mounted Equipment, Signage Supports, Barricades and Misc. Metals

*Kedzie and Rockwell provided as example. Work at Francisco will have same general sequence.

**Construction duration overlaps with other work segments.

Brown Line Capacity Expansion Project
Kedzie and Rockwell Station Work Sequence*

Station and Auxiliary Entrance Structural Construction
Construction Duration: 8 to 10 Weeks**

- Install and Paint Station Structural Steel
- Install Auxiliary Entrance Structural Steel
- Install Station and Auxiliary Entrance Roof System
- Install Station Slab with Electric
- Install Auxiliary Entrance Slab with Electric
- Install Cast Stone at Station and Auxiliary Entrance
- Install Curtain Wall System Station and Auxiliary Entrance

*Kedzie and Rockwell provided as example. Work at Francisco will have same general sequence.

**Construction duration overlaps with other work segments.

Brown Line Capacity Expansion Project
Kedzie and Rockwell Station Work Sequence*

Station and Auxiliary Entrance Interior Construction
Construction Duration: 14 to 16 Weeks**

- Install Balanced Doors and Entrances
- Install Ceilings at Station and Auxiliary Entrance
- Install Station Electric and Mechanical
- Install Auxiliary Entrance Electrical
- Install Station House Misc. Metals and Barricades

*Kedzie and Rockwell provided as example. Work at Francisco will have same general sequence.

**Construction duration overlaps with other work segments.

Brown Line Capacity Expansion Project
Kedzie and Rockwell Station Work Sequence*

Finishing Work
Construction Duration: 18 to 20 Weeks**

- Install Platform and Station Signage
- Install Stone Flooring
- Install Fare Control Equipment
- Prepare Station, Platform and Auxiliary Entrance for Opening
- Site Work / Grade Crossings
- Open Station
- Complete Work required for Final Acceptance by CTA

*Kedzie and Rockwell provided as example. Work at Francisco will have same general sequence.

**Construction duration overlaps with other work segments.

Brown Line Capacity Expansion Project
Week by Week Look Ahead
Kedzie and Rockwell*

Monday, February 20 - Friday, February 24, 2006

KEDZIE WEEKDAY

- Erect construction fencing around station entrance and auxiliary exit
- Prepare for platform demolition; conduct hand demolition of miscellaneous items
- Removal of existing equipment (fare control, signage, etc.)
- Prepare for signal and communication relocations

ROCKWELL WEEKDAY

- Erect construction fencing around station entrance
- Removal of existing equipment (fare control, signage, etc.)
- Removal of existing electrical systems and fixtures
- Prepare for demolition
- Prepare for signal and communication relocations

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Brown Line Capacity Expansion Project
Week by Week Look Ahead
Kedzie and Rockwell

Friday 8 PM, February 24 – Monday 2 AM, February 27, 2006

KEDZIE WEEKEND

- Demolition of platform, station house and concrete foundation
- Platform debris removal
- Relocation of signal and communication cables
- Close Spaulding Avenue and one lane of Kedzie Avenue
- Close alley (northside of tracks) between Spaulding and Kedzie Avenues

ROCKWELL WEEKEND

- Relocation of signal and communication cables
- Obstruct alley west of Rockwell Avenue
- Begin demolition work
- Close alley (northside of tracks)

Continuous Weekend Work/Trains Operating from Western to Loop
54 Continuous Hours of Work (8pm Friday – 2am Monday)
Brown Line service between the Loop and Western
Bus shuttles to be provided during hours of normal train service

Brown Line Capacity Expansion Project

Station bid package	Community meeting	Bid advertisement	Estimated Board consideration	Estimated construction start date	Estimated station closures
Fullerton / Belmont	February 16, 2005	March 11, 2005	June 9, 2005	August 17, 2005	none
Armitage / Sedgwick / Chicago	April 18, 2005	June 9, 2005	September 14, 2005	November 15, 2005	6 weekend closures, no earlier than March 2006
Kimball / Kedzie / Francisco / Rockwell / Western	May 9, 2005 June 13, 2005 January 17, 2006	June 27, 2005	September 14, 2005	November 15, 2005	▪Kimball: 4 months, while Kedzie remains open ▪Kedzie: 6 months closure to commence on 2/20/06, while Kimball and Francisco remain open ▪Francisco: 6 months, while Kedzie and Rockwell remain open ▪Rockwell: 6 months closure to commence 2/20/06, while Francisco and Western remain open ▪Up to 10 weekend closures for at-grade stations ▪Western: no closures
Damen/ Montrose / Irving Park / Addison	September 19, 2005	Winter 2006	Winter 2006	Early Spring 2006	No earlier than April 2006 ▪Damen: 10 to 12 months while Montrose remains open ▪Montrose: 10 to 12 months while Damen and Irving Park remain open ▪Irving Park: 10 to 12 months while Montrose and Addison remain open ▪Addison: 10 to 12 months while Irving Park and Paulina remain open
Paulina / Southport / Wellington / Diversey	September 22, 2005	Winter 2006	Winter 2006	Early Spring 2006	No earlier than April 2006 ▪Paulina: 10 to 12 months while Addison and Southport remain open ▪Southport: 10 to 12 months while Paulina and Belmont remain open ▪Wellington: 10 to 12 months while Belmont and Diversey remain open ▪Diversey: 10 to 12 months while Wellington and Fullerton remain open